



SAPPD3E-14AP003

Safe Linear Positioning

SAFETY SYSTEMS FOR MOVEMENT MONITORING

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
SAPPD3E-14AP003	1028308

Included in delivery: FX3-MPL000001 (1), SAPPD3E-12A0003 (1), FX3-CPU000000 (1), FX3-XTIO84002 (2), FX3-MOC100000 (1), X-junction (1)

Other models and accessories → www.sick.com/Safe_Linear_Positioning

Detailed technical data

Features

Variant	Complete set
Safety task	Safe position monitoring
Application	Skillet conveyors, Shelving access devices, Movement monitoring, Cranes
Interface	25 bit
Resolution	0.1 mm
Response time	≤ 47.5 ms
Stopping distance extension	10 mm ¹⁾
Maximum measuring path	≤ 1,677 m
Maximum speed of the measurement system	≤ 4 m/s
Items supplied	1 Flexi Soft main module FX3-CPU0 2 Flexi-Soft-I/O-Modul FX3-XTIO 1 Flexi-Soft-Motion-Control-Modul FX3-MOC1 1 Flexi Soft system plug FX3-MPL0 1 double sensor 25 bit 1 X distributor

¹⁾ The user must use the overall response time and other application-specific parameters to calculate the stopping distance. The user must then add another 10 mm on to the calculated stopping distance, which apply owing to internal filters.

Electrical data

Voltage supply	24 V DC (16.8 V ... 28.8 V)
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Ambient data

Storage temperature	-25 °C ... +70 °C
Air humidity	10 % ... 95 %, Non-condensing

Classifications

eCl@ss 5.0	27279090
eCl@ss 5.1.4	27279090
eCl@ss 6.0	27279090
eCl@ss 6.2	27279090
eCl@ss 7.0	27279090
eCl@ss 8.0	27279090
eCl@ss 8.1	27279090
eCl@ss 9.0	27279090

eCl@ss 10.0	27279090
eCl@ss 11.0	27279090
eCl@ss 12.0	27279090
ETIM 5.0	EC001449
ETIM 6.0	EC001449
ETIM 7.0	EC001449
ETIM 8.0	EC001449
UNSPSC 16.0901	32151705

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com